

Title (en)
Nondestructive detection of anomalies (foreign objects, anomal dimensions) of an engine for example by means of computed tomography

Title (de)
Zerstörungsfreie Prüfung einer Maschine auf bestimmte Defekte (Fremdkörper, anomale Abmessungen) z.B. mithilfe von Computertomografie

Title (fr)
Détection non destructive de certain anomalies (corps étrangers, dimensions anoma) d'un engin par exemple au moyens de tomodynamométrie

Publication
EP 2226609 A3 20101208 (EN)

Application
EP 10151885 A 20100128

Priority
US 36345809 A 20090130

Abstract (en)
[origin: US2010194749A1] A method for non-destructive examination of components within an assembly is described. The method includes producing an image of at least a portion of the assembly, extracting a point cloud of the image, registering the point cloud to a CAD coordinate system, and determining points in the point cloud of the image that are more than a selected distance from surfaces on a corresponding CAD model utilizing the same CAD coordinate system. The method also includes utilizing the determined points to detect the presence of anomalies within the assembly.

IPC 8 full level
G01B 15/00 (2006.01); **G01M 99/00** (2011.01); **G01N 23/04** (2006.01); **G06T 7/00** (2006.01)

CPC (source: EP US)
G01N 23/046 (2013.01 - EP US); **G06T 7/001** (2013.01 - EP US); **G01N 2223/419** (2013.01 - EP US); **G01N 2223/63** (2013.01 - EP US); **G06T 2207/10081** (2013.01 - EP US); **G06T 2207/30164** (2013.01 - EP US)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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DOCDB simple family (application)
US 36345809 A 20090130; CA 2691317 A 20100128; EP 10151885 A 20100128; JP 2010014928 A 20100127